

D3
W8

27. The bone graft of claim 22, wherein the vascular endothelial growth factor is VEGF₁₂₁.

Sub
EI

28. The bone graft of claim 22, wherein the vascular endothelial growth factor is VEGF₁₆₅.

29. The bone graft of claim 22, wherein the osteogenic protein is selected from the group consisting of BMP-2, BMP-3, BMP-4, BMP-5, BMP-6, BMP-7 and BMP-8.

30. The bone graft of claim 22, wherein the osteogenic protein is TGF-b1.

31. The bone graft of claim 22, wherein the osteogenic protein is BMP-2.

32. The bone graft of claim 22, wherein the osteogenic protein is MK.

33. The bone graft of claim 22, wherein the osteogenic protein is HBNF.

34. The method of claim 1, wherein the first nucleic acid is administered via an adenoviral vector.

D4

35. The method of claim 6, wherein the second nucleic acid is administered via an adenoviral vector.

36. The method of claim 1, wherein the vascular endothelial growth factor is VEGF₁₆₅.

Sub
EI

37. The viral vector of claim 19, wherein the vascular endothelial growth factor is VEGF₁₆₅.

38. The viral vector of claim 19, wherein the osteogenic protein is selected from the group consisting of a bone morphogenic protein (BMP), a transforming growth factor (TGF), a latent TGF binding protein (LTBP), latent membrane protein-1 (LMP-1), a heparin-binding neurotrophic factor (HBNF), growth and differentiation factor-5 (GDF-5), a parathyroid hormone (PTH), a fibroblast growth factor (FGF), an epidermal growth factor (EGF), a platelet-derived growth factor (PDGF), an insulin-like growth factor, a growth factor receptor, a cytokine, a chemotactic factor, a LIM mineralization protein (LMP), a leukemia inhibitory factor (LIF), a hedgehog protein, and midkine (MK).

39. The viral vector of claim 19, wherein the osteogenic protein is selected from the group consisting of BMP-2, BMP-3, BMP-4, BMP-5, BMP-6, BMP-7 and BMP-8.

40. The viral vector of claim 19, wherein the osteogenic protein is TGF-b1.

41. The viral vector of claim 19, wherein the osteogenic protein is BMP-2.

42. The viral vector of claim 19, wherein the osteogenic protein is MK.

43. The viral vector of claim 19, wherein the osteogenic protein is HBNF.